TABLE 1A

ANNUAL RAINFALL IN THE SAN GABRIEL VALLEY
FROM 1958-59 THROUGH 2008-09*

WATER YEAR	RAINFALL IN INCHES
1958-59	8.5
1959-60	10.6
1960-61	5.9
1961-62	22.4
1962-63	12.3
1963-64	9.4
1964-65	15.2
1965-66	19.6
1966-67	25.0
1967-68	15.0
1968-69	30.5
1969-70	11.1
1970-71	13.3
1971-72	8.5
1972-73	22.4
1973-74	16.8
1974-75	14.9
1975-76	12.1
1976-77	14.5
1977-78	38.4
1978-79	23.9
1979-80	34.8
1980-81	10.3
1981-82	18.9
1982-83	39.3
1983-84	10.6
1984-85	14.6
1985-86	22.0
1986-87	9.1
1987-88	14.9
1988-89	11.2
1989-90	12.4
1990-91	15.1
1991-92	22.8
1992-93	35.9
1993-94	11.6
1994-95	30.4
1995-96	15.6
1996-97	17.5
1997-98	36.1
1998-99	8.6
1999-00	14.4
2000-01	15.5
2001-02	6.4
2002-03	19.4
2003-04	12.7
2004-05	45.3
2005-06	16.8
2006-07	4.9
2007-08	16.4
2008-09	14.0
TOTAL	**907.8**
51-YEAR AVERAGE	**17.8**

*Annual rainfall determined as the average of rainfall at San Dimas (station 95), Pomona† (station 356C), El Monte (station 108D), and Pasadena (station 610B).

†Pomona (station 356C) replaced Walnut (station 102D) in 2000-01.

Table 1B
Climate

	January	February	March	April	May	June	July	August	September	October	November	December	Annual
Average Rainfall (in.)	3.6	5.5	1.9	1.2	0.5	0.1	0.0	0.0	0.2	1.0	1.4	2.4	17.8
Average Temperature (^{o}F)	54	54	56	59	61	69	72	77	76	70	61	57	63.8
Evapotranspiration (in.)	2.2	2.8	4.0	5.1	5.9	6.6	7.4	6.8	5.7	4.0	2.7	1.9	55.1

Source: Rainfall data from average of four LA County Department of Public Works rainfall stations. Temperature data from www.city-data.com for San Gabriel Valley.
Evapotranspiration data from California Irrigation Management Information System.

TABLE 2
HISTORICAL AND PROJECTED WATER SUPPLY
(ACRE-FEET)

Fiscal Year	Supply				
	Main Basin	Raymond Basin	Main Basin and Raymond Basin Subtotal	Recycled Water	Total
1999-00	2,870	1,917	4,787	0	4,787
2000-01	2,923	1,551	4,474	0	4,474
2001-02	3,533	1,142	4,674	0	4,674
2002-03	3,925	586	4,511	0	4,511
2003-04	4,089	669	4,758	0	4,758
2004-05	3,637	910	4,547	0	4,547
2005-06	2,956	1,571	4,526	0	4,526
2006-07	3,617	1,198	4,816	0	4,816
2007-08	3,292	1,163	4,455	0	4,455
2008-09	3,091	1,180	4,272	0	4,272
2009-10	3,243	686	3,929	0	3,929
2014-15 (1)	--	--	5,021	0	5,021
2019-20 (1)	--	--	4,830	0	4,830
2024-25 (1)	--	--	4,846	0	4,846
2029-30 (1)	--	--	4,862	0	4,862

(1) See Table 4B

TABLE 3

WELL AND PUMP DATA

	WELLS				PUMPS			
Groundwater Basin	Well No.	Year Drilled	Casing Size (inches)	Depth (feet)	Power (H.P.)[1]	Column Length (feet)	Capacity (GPM)[2]	Capacity (AFY)[3]
Raymond	11	1988	18	800	250	360	1,925	3,105
Raymond	12	1989	18	1,100	250	360	1,709	2,757
Main Basin	8	1946	20	1,000	300	450	1,775	2,863
Main Basin	9	1961	18	1,200	300	454	1,827	2,947
Main Basin	13	1995	18	1,140	300	400	1,897	3,060
TOTAL CAPACITY							9,133	14,732

NOTES:
1. H.P. - Horsepower
2. GPM - Gallons per Minute
3. AFY - Acre-feet per Year

Table 4A
Sunny Slope Water Company
Past, Current and Projected Water Sales

Water Use Sectors	Calendar Year 2005			
	metered		unmetered	
	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single/Multi family	5,707	NA	0	0
Commercial	456	NA	0	0
Low Income Housing	0	0	0	0
Total	6,163	0	0	0

Water Use Sectors	Calendar Year 2009			
	metered		unmetered	
	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single/Multi family	5,797	NA	0	0
Commercial	461	NA	0	0
Low Income Housing	0	0	0	0
Total	6,258	0	0	0

Water Use Sectors	Calendar Year 2015			
	metered		unmetered	
	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single/Multi family	5,810	NA	0	0
Commercial	470	NA	0	0
Low Income Housing	0	0	0	0
Total	6,280	0	0	0

(continued)

Water Use Sectors	Calendar Year 2020			
	metered		unmetered	
	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single/Multi family	5,860	NA	0	0
Commercial	480	NA	0	0
Low Income Housing	0	0	0	0
Total	6,340	0	0	0

Table 4A
Sunny Slope Water Company
Past, Current and Projected Water Sales

Water Use Sectors	Calendar Year 2025			
	metered		unmetered	
	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single/Multi family	5,910	NA	0	0
Commercial	490	NA	0	0
Low Income Housing	0	0	0	0
Total	6,400	0	0	0

Water Use Sectors	Calendar Year 2030			
	metered		unmetered	
	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Single/Multi family	5,960	NA	0	0
Commercial	500	NA	0	0
Low Income Housing	0	0	0	0
Total	6,460	0	0	0

TABLE 4B
HISTORICAL AND PROJECTED WATER DEMAND
(ACRE-FEET)

Fiscal Year	Demand					Urban Water Use Target (GPCD) [4]
	Groundwater			Recycled Water	TOTAL DEMAND	
	Demand [1]	Sales	Unaccounted Use [2]			
1999-00	4,787	4,237	549	0	4,787	--
2000-01	4,474	4,105	369	0	4,474	--
2001-02	4,674	4,281	393	0	4,674	--
2002-03	4,511	4,167	344	0	4,511	--
2003-04	4,758	4,314	444	0	4,758	--
2004-05	4,547	4,122	425	0	4,547	--
2005-06	4,526	4,027	500	0	4,526	--
2006-07	4,816	4,349	467	0	4,816	--
2007-08	4,455	4,123	332	0	4,455	--
2008-09	4,272	3,930	342	0	4,272	--
2009-10	3,929	3,558	371	0	3,929	--
2014-15 [3]	5,021	5,021	0	0	5,021	146
2019-20 [3]	4,830	4,830	0	0	4,830	140
2024-25 [3]	4,846	4,846	0	0	4,846	140
2029-30 [3]	4,862	4,862	0	0	4,862	140

[1] See Table 2
[2] Historical unaccounted use = supply minus demand
[3] Projected water demand; based on Urban Water Use Target and populations from Table 8.
[4] Excludes recycled water

TABLE 5
SUPPLY RELIABILITY
(ACRE-FEET)

	Average/ Normal Water Year (2005-06)	Single Dry Water Year (2006-07)	Multiple Dry Water Years		
			Year 1 (2006-07)	Year 2 (2007-08)	Year 3 (2008-09)
Anticipated Supply [1]	4,526	4,816	4,816	4,455	4,272
Percent of Normal Year Supply	--	106	106	98	94
Anticipated Demand [2]	4,526	4,816	4,816	4,455	4,272
Percent of Normal Year Demand	--	106	106	98	94

[1] See Table 2
[2] See Table 4B

TABLE 6
RECYCLED WATER – WASTEWATER COLLECTION AND TREATMENT

Type of Wastewater	Wastewater Collection and Treatment (acre-feet per year)						
	1999-00	2004-05	2009-10 [1]	2014-15 [2]	2019-20 [2]	2024-25 [2]	2029-30 [2]
San Jose Creek Water Reclamation Plant							
Wastewater Collected and Treated	96,056	90,886	79,615	89,000	89,000	89,000	89,000
Volume that Meets Recycled Water Standards	96,056	90,886	79,615	89,000	89,000	89,000	89,000
Whittier Narrows Water Reclamation Plant							
Wastewater Collected and Treated	10,492	8,555	6,769	9,000	9,000	9,000	9,000
Volume that Meets Recycled Water Standards	10,492	8,555	6,769	9,000	9,000	9,000	9,000

[1] 2009-10 is represented by fiscal year 2008-09.

[2] Projected – based on average of 1999-00, 2004-05, and 2009-10.

Source: Sanitation Districts of Los Angeles County's fiscal year "Status Report on Recycled Water."

TABLE 7
RECYCLED WATER – NON-RECYCLED WASTEWATER DISPOSAL

Method of Disposal	Treatment Level	Volume (acre-feet)					
		2004-05	2009-10 [1]	2014-15 [2]	2019-20 [2]	2024-25 [2]	2029-30 [2]
San Jose Creek Water Reclamation Plant							
Discharge to San Gabriel River	Disinfected Tertiary	66,378	50,223	58,000	58,000	58,000	58,000
Whittier Narrows Water Reclamation Plant							
Discharge to San Gabriel River	Disinfected Tertiary	1,784	156	1,000	1,000	1,000	1,000

[1] 2009-10 is represented by fiscal year 2008-09.
[2] Projected – based on average of 2004-05 and 2009-10.
Source: Sanitation Districts of Los Angeles County's fiscal year "Status Report on Recycled Water."

TABLE 8
CALCULATION OF BASELINE DAILY PER CAPITA WATER USE

Water Use			Service Area Population		Per Capita Water Use		
Fiscal Year	Recorded Groundwater Supply (acre-	Calculated Gross Water Use (gallons	Calendar Year	Estimated Service Area Population	Calculated Daily Per Capita Water	Average Per Capita Water Use	
						10-Year Continuous [2]	5-Year Continuous [3]
1995-96	4,414	3,940,297	1996	25,838	153		
1996-97	4,656	4,156,326	1997	25,995	160		
1997-98	4,286	3,826,034	1998	26,151	146		
1998-99	4,561	4,071,521	1999	26,308	155		
1999-00	4,787	4,272,856	2000	26,465	161		
2000-01	4,474	3,993,545	2001	26,837	149		
2001-02	4,674	4,172,394	2002	27,209	153		
2002-03	4,511	4,026,780	2003	27,581	146		
2003-04	4,758	4,247,076	2004	27,790	153		
2004-05	4,547	4,059,050	2005	27,998	145	152	
2005-06	4,526	4,040,715	2006	28,398	142	151	
2006-07	4,816	4,298,708	2007	28,798	149	150	
2007-08	4,455	3,977,334	2008	29,198	136	149	145
2008-09	4,272	3,813,170	2009	29,598	129	146	140

10-Year Baseline Daily Per Capita Water Use = 152 gallons per capita per day. [4]

5-Year Baseline Daily Per Capita Water Use = 145 gallons per capita per day. [5]

[1] See Table 2.

[2] Average per capita water use for first base period of 10-year continuous, ending no earlier than December 31, 2004 and no later than December 31, 2010.

[3] Average per capita water use for second base period of 5-year continuous, ending no earlier than December 31, 2007 and no later than December 31, 2010.

[4] Highest value calculated for a 10-year continuous period between 1999-00 and 2009-10.

[5] Highest value calculated for a 5-year continuous period between 2003-04 and 2009-10.

TABLE 9
PROJECTED NORMAL WATER YEAR SUPPLY AND DEMAND COMPARISON
(ACRE-FEET)

	2015	2020	2025	2030
Projected Normal Water Year Supply				
Total Supply [1]	5,021	4,830	4,846	4,862
Percent of Base Year for Normal Year (2005-06) [2]	111	107	107	107
Projected Normal Water Year Demand				
Demand [3]	5,021	4,830	4,846	4,862
Percent of Current Year (2009-10) [3]	128	123	123	124
Projected Normal Year Supply and Demand Comparison				
Difference (Supply minus Demand)	0	0	0	0
Difference as Percent of Supply	0	0	0	0
Difference as Percent of Demand	0	0	0	0

[1] See Table 2, last column
[2] Ratio of projected water supply with Base Year for Normal Water Year (FY 2005-06). See Table 5
[3] Based on Urban Water Use Targets of 123 GPCD in 2015 and 109 GPCD in 2020. See Table 4B

TABLE 10
PROJECTED SINGLE-DRY YEAR WATER SUPPLY AND DEMAND COMPARISON
(ACRE-FEET)

	2015	2020	2025	2030
Projected Single-Dry Year Water Supply				
Supply [1]	5,342	5,139	5,155	5,172
Percent of Projected Normal Year [2]	106	106	106	106
Projected Single-Dry Year Water Demand				
Demand [3]	5,342	5,139	5,155	5,172
Percent of Projected Normal Year [2]	106	106	106	106
Projected Single-Dry Year Water Supply and Demand Comparison				
Difference (Supply minus Demand)	0	0	0	0
Difference as Percent of Supply	0	0	0	0
Difference as Percent of Demand	0	0	0	0

[1] Based on ratio between Normal Water Year with Single-Dry Year. See Tables 2 and 4B
[2] Ratio of projected Single-Dry water supply with projected Normal Year supply. See Table 9
[3] Based on ratio between Normal Water Year with Single-Dry Year. See Table 4B and 5

TABLE 11
PROJECTED MULTIPLE-DRY YEAR WATER SUPPLY AND DEMAND COMPARISON
(ACRE-FEET)

Period Beginning 2015	Year 1	Year 2	Year 3
Projected Multiple-Dry Year Water Supply			
Supply [1]	5,342	4,942	4,738
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Demand			
Demand [3]	5,342	4,942	4,738
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Supply and Demand Comparison			
Difference (Supply minus Demand)	0	0	0
Difference as Percent of Supply	0	0	0
Difference as Percent of Demand	0	0	0

Period Beginning 2020	Year 1	Year 2	Year 3
Projected Multiple-Dry Year Water Supply			
Supply [1]	5,139	4,755	4,558
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Demand			
Demand [3]	5,139	4,755	4,558
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Supply and Demand Comparison			
Difference (Supply minus Demand)	0	0	0
Difference as Percent of Supply	0	0	0
Difference as Percent of Demand	0	0	0

TABLE 11
PROJECTED MULTIPLE-DRY YEAR WATER SUPPLY AND DEMAND COMPARISON
(ACRE-FEET)
(continued)

Period Beginning 2025	Year 1	Year 2	Year 3
Projected Multiple-Dry Year Water Supply			
Supply [1]	5,155	4,770	4,573
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Demand			
Demand [3]	5,155	4,770	4,573
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Supply and Demand Comparison			
Difference (Supply minus Demand)	0	0	0
Difference as Percent of Supply	0	0	0
Difference as Percent of Demand	0	0	0

Period Beginning 2030	Year 1	Year 2	Year 3
Projected Multiple-Dry Year Water Supply			
Supply [1]	5,172	4,785	4,588
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Demand			
Demand [3]	5,172	4,785	4,588
Percent of Projected Normal Year [2]	106	98	94
Projected Multiple-Dry Year Water Supply and Demand Comparison			
Difference (Supply minus Demand)	0	0	0
Difference as Percent of Supply	0	0	0
Difference as Percent of Demand	0	0	0

[1] Based on ratio between Normal Water Year with Multiple Dry Years. See Tables 2 and 4B
[2] Ratio of projected multiple dry years with projected normal water year. See Table 9
[3] Based on ratio between Normal Water Year with Multiple Dry Years. See Tables 4B and 5